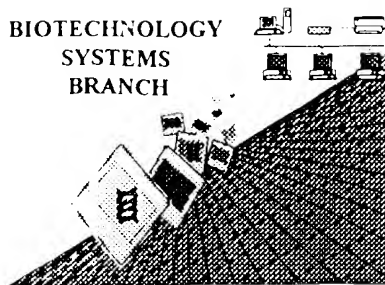# RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: _09 850 982_

Source: _O I P E_

Date Processed by STIC: _9/06/2001_

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.
PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:
1) **INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,**
2) **TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY**
FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.
PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)
PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE **CHECKER VERSION 3.0 PROGRAM**, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW:

Checker Version 3.0

The Checker Version 3.0 application is a state-of-the-art Windows based software program employing a logical and intuitive user-interface to check whether a sequence listing is in compliance with format and content rules. Checker Version 3.0 works for sequence listings generated for the original version of 37 CFR §§1.821 – 1.825 effective October 1, 1990 (old rules) and the revised version (new rules) effective July 1, 1998 as well as World Intellectual Property Organization (WIPO) Standard ST.25.

Checker Version 3.0 replaces the previous DOS-based version of Checker, and is Y2K-compliant. Checker allows public users to check sequence listings in Computer Readable form (CRF) before submitting them to the United States Patent and Trademark Office (USPTO). Use of Checker prior to filing the sequence listing is expected to result in fewer errored sequence listings, thus saving time and money.

Checker Version 3.0 can be down loaded from the USPTO website at the following address:
http://www.uspto.gov/web/offices/pac/checker

```
          RAW SEQUENCE LISTING              DATE: 08/06/2001
          PATENT APPLICATION:  US/09/850,982    TIME: 15:40:07

               Input Set : A:\882565-4025.ST25.txt
               Output Set: N:\CRF3\08062001\I850982.raw
```

Does Not Comply
Corrected Diskette Needed

pp 3-4

```
  3 <110> APPLICANT: Nestec S.A.
  5 <120> TITLE OF INVENTION: COFFEE MANNANASE
  7 <130> FILE REFERENCE: 88265-4025
  9 <140> CURRENT APPLICATION NUMBER: 09/850,982
 10 <141> CURRENT FILING DATE: 2001-05-08
 12 <160> NUMBER OF SEQ ID NOS: 12
 14 <170> SOFTWARE: PatentIn version 3.1
 16 <210> SEQ ID NO: 1
 17 <211> LENGTH: 1613
 18 <212> TYPE: DNA
 19 <213> ORGANISM: Aspergillus niger
 21 <400> SEQUENCE: 1
 22 ttcattaaaa atggccttct ccaggagaag caatatcagc aacttctctt gctgcttcct    60
 24 tgtgatcatc gtcttatccc tgcattgcga aaatcatata gtttcttctt ctgcttcgcg   120
 26 ctttattcaa acaagaggaa cccgattcgt gttaggtggc tacccatttt ttttcaatgg   180
 28 gttcaactcc tactggatga tgcatgttgc agctgagcca agtgaaaggc ataaaatttc   240
 30 caatgtattt cgcgaggctg ctgctacagg gcttactgtt tgccggacat gggcattcag   300
 32 cgatggtggc gatcgagctc ttcaaatgtc ccccggagtc tatgatgaac gtgtctttca   360
 34 ggcccttgat tttgtggtat cggaagcaag gaagtatgga gttcacttaa tcctgagtct   420
 36 gaccaacaac tacaaggact ttggaggaag gacgcaatac gtgacgtggg ctaaaaatgc   480
 38 cggagtacaa gtgaatagcg atgatgattt ttacaccaag aatgctgtca agggatatta   540
 40 caagaatcac attaagaaag tgttgactag gatcaacaca atcagtagag ttgcatataa   600
 42 agatgatcca acagtcatgg catgggagct aataaatgaa cctcgttgcc aggtcgactt   660
 44 ctccggaaaa accttaaatg cttgggttca agaaatggca acttacgtca aatcactcga   720
 46 taacaaacac cttctagaaa taggcatgga gggattctac ggagattcaa tgccaggcaa   780
 48 aaagcagtac aatcctggat accaagtggg cacagatttt atcaccaata atcttatcaa   840
 50 agagatagat tttgcaacca ttcatgcata tcccgatatt tggctgtctg acagagcga   900
 52 cggtgcacag atgatgttca tgagaaggtg gatgaccagt cactccacag actctaagac   960
 54 catacttaaa aaaccattgg ttctcgctga atttgggaaa tcaagtaaag atccaggata  1020
 56 cagtttatat gccagggagt cattcatggc cgcaatttac ggtgatatct acaggtttgc  1080
 58 tagaagagga ggcattgcag gtggattggt ttggcaaatc ctggccgagg gaatgcaacc  1140
 60 gtacgcagat gggtatgaaa ttgtcttgtc tcagaaccca tcaaccggac gaatcataag  1200
 62 ccaacagtct cgacaaatga cttcactcga ccatatgagc agtaatagaa ccaattctca  1260
 64 aagcaacaaa ctgcgcaatt caaaggagca gtgatcagtc ttccagaaag tctacttgag  1320
 66 tttgttcgta tgtcaaaatc aagtatcaac catagaaatt tccattatat tcggagtgtt  1380
 68 ttagtcaagt tctagtaata ccgctggagt catgatagtt atgacagtaa taccgctgga  1440
 70 gtcaagttct agtaataccg ttggagtcaa gttatgatag ttatttaaaa attagtattt  1500
 72 tattacaaat ttgttattgt gtgagacttg tttattaagt aaatggaaaa gtcttatcat  1560
 74 tattatcatt tgagaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaa         1613
 77 <210> SEQ ID NO: 2
 78 <211> LENGTH: 427
 79 <212> TYPE: PRT
 80 <213> ORGANISM: Aspergillus niger
 82 <400> SEQUENCE: 2
 84 Met Ala Phe Ser Arg Arg Ser Asn Ile Ser Asn Phe Ser Cys Cys Phe
 85 1               5                   10                  15
 88 Leu Val Ile Ile Val Leu Ser Leu His Cys Glu Asn His Ile Val Ser
```

```
89              20              25              30
92  Ser Ser Ala Ser Arg Phe Ile Gln Thr Arg Gly Thr Arg Phe Val Leu
93          35              40              45
96  Gly Gly Tyr Pro Phe Phe Phe Asn Gly Phe Asn Ser Tyr Trp Met Met
97      50              55              60
100 His Val Ala Ala Glu Pro Ser Glu Arg His Lys Ile Ser Asn Val Phe
101 65              70              75              80
104 Arg Glu Ala Ala Ala Thr Gly Leu Thr Val Cys Arg Thr Trp Ala Phe
105             85              90              95
108 Ser Asp Gly Gly Asp Arg Ala Leu Gln Met Ser Pro Gly Val Tyr Asp
109             100             105             110
112 Glu Arg Val Phe Gln Ala Leu Asp Phe Val Val Ser Glu Ala Arg Lys
113         115             120             125
116 Tyr Gly Val His Leu Ile Leu Ser Leu Thr Asn Asn Tyr Lys Asp Phe
117     130             135             140
120 Gly Gly Arg Thr Gln Tyr Val Thr Trp Ala Lys Asn Ala Gly Val Gln
121 145             150             155             160
124 Val Asn Ser Asp Asp Asp Phe Tyr Thr Lys Asn Ala Val Lys Gly Tyr
125             165             170             175
128 Tyr Lys Asn His Ile Lys Lys Val Leu Thr Arg Ile Asn Thr Ile Ser
129             180             185             190
132 Arg Val Ala Tyr Lys Asp Asp Pro Thr Val Met Ala Trp Glu Leu Ile
133         195             200             205
136 Asn Glu Pro Arg Cys Gln Val Asp Phe Ser Gly Lys Thr Leu Asn Ala
137     210             215             220
140 Trp Val Gln Glu Met Ala Thr Tyr Val Lys Ser Leu Asp Asn Lys His
141 225             230             235             240
144 Leu Leu Glu Ile Gly Met Glu Gly Phe Tyr Gly Asp Ser Met Pro Gly
145             245             250             255
148 Lys Lys Gln Tyr Asn Pro Gly Tyr Gln Val Gly Thr Asp Phe Ile Thr
149             260             265             270
152 Asn Asn Leu Ile Lys Glu Ile Asp Phe Ala Thr Ile His Ala Tyr Pro
153         275             280             285
156 Asp Ile Trp Leu Ser Gly Gln Ser Asp Gly Ala Gln Met Met Phe Met
157     290             295             300
160 Arg Arg Trp Met Thr Ser His Ser Thr Asp Ser Lys Thr Ile Leu Lys
161 305             310             315             320
164 Lys Pro Leu Val Leu Ala Glu Phe Gly Lys Ser Ser Lys Asp Pro Gly
165             325             330             335
168 Tyr Ser Leu Tyr Ala Arg Glu Ser Phe Met Ala Ala Ile Tyr Gly Asp
169             340             345             350
172 Ile Tyr Arg Phe Ala Arg Arg Gly Gly Ile Ala Gly Gly Leu Val Trp
173         355             360             365
176 Gln Ile Leu Ala Glu Gly Met Gln Pro Tyr Ala Asp Gly Tyr Glu Ile
177     370             375             380
180 Val Leu Ser Gln Asn Pro Ser Thr Gly Arg Ile Ile Ser Gln Gln Ser
181 385             390             395             400
184 Arg Gln Met Thr Ser Leu Asp His Met Ser Ser Asn Arg Thr Asn Ser
185             405             410             415
```

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/850,982

DATE: 08/06/2001
TIME: 15:40:07

Input Set : A:\882565-4025.ST25.txt
Output Set: N:\CRF3\08062001\I850982.raw

```
188 Gln Ser Asn Lys Leu Arg Asn Ser Lys Glu Gln
189             420                 425
192 <210> SEQ ID NO: 3
193 <211> LENGTH: 20
194 <212> TYPE: DNA
195 <213> ORGANISM: Synthetic oligonucleotide
197 <220> FEATURE:
198 <221> NAME/KEY: misc_feature
199 <222> LOCATION: (3)..(3)
200 <223> OTHER INFORMATION: a or c or g or t/u
203 <220> FEATURE:
204 <221> NAME/KEY: misc_feature
205 <222> LOCATION: (12)..(12)
206 <223> OTHER INFORMATION: a or c or g or t/u
209 <400> SEQUENCE: 3
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Invalid response for 213 (global error) [handwritten]

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W--> 210 ggnatggarg gnttytaygg                                        20
213 <210> SEQ ID NO: 4
214 <211> LENGTH: 15
215 <212> TYPE: DNA
216 <213> ORGANISM: Synthetic Oligonucleotide
218 <400> SEQUENCE: 4
219 tttttttttt ttttt                                                  15
222 <210> SEQ ID NO: 5
223 <211> LENGTH: 17
224 <212> TYPE: DNA
225 <213> ORGANISM: Synthetic nucleotide
227 <400> SEQUENCE: 5
228 aaatctgtgc ccacttg                                                17
231 <210> SEQ ID NO: 6
232 <211> LENGTH: 17
233 <212> TYPE: DNA
234 <213> ORGANISM: Synthetic nucleotide
236 <400> SEQUENCE: 6
237 gtaaaacgac ggccagt                                                17
240 <210> SEQ ID NO: 7
241 <211> LENGTH: 17
242 <212> TYPE: DNA
243 <213> ORGANISM: synthetic nucleotide
245 <400> SEQUENCE: 7
246 caggaaacag ctatgac                                                17
249 <210> SEQ ID NO: 8
250 <211> LENGTH: 21
251 <212> TYPE: PRT
252 <213> ORGANISM: Aspergillus niger
254 <220> FEATURE:
255 <221> NAME/KEY: MISC_FEATURE
256 <222> LOCATION: (16)..(16)
257 <223> OTHER INFORMATION: variable
260 <400> SEQUENCE: 8
```

```
W--> 262 Ser Phe Asn Phe Val Lys Thr Arg Gly Thr Glu Phe Val Met Asp Xaa
     263 1               5                   10                  15
     266 Arg Phe Leu Tyr Leu
     267             20
     270 <210> SEQ ID NO: 9
     271 <211> LENGTH: 10
     272 <212> TYPE: PRT
     273 <213> ORGANISM: Aspergillus niger
     275 <400> SEQUENCE: 9
     277 Thr Trp Ala Phe Ser Asp Gly Gly Tyr Arg
     278 1               5                   10
     281 <210> SEQ ID NO: 10
     282 <211> LENGTH: 17
     283 <212> TYPE: PRT
     284 <213> ORGANISM: Aspergillus niger
     286 <400> SEQUENCE: 10
     288 Glu Tyr Asn Pro Gly Tyr Gln Val Gly Thr Asp Phe Ile Ser Asn Asn
     289 1               5                   10                  15
     292 Arg
     296 <210> SEQ ID NO: 11
     297 <211> LENGTH: 36
     298 <212> TYPE: DNA
     299 <213> ORGANISM: Synthetic nucleotide
     301 <400> SEQUENCE: 11
     302 gtcttatccc tggatcccga aaatcatata gtttct                          36
     305 <210> SEQ ID NO: 12
     306 <211> LENGTH: 40
     307 <212> TYPE: DNA
     308 <213> ORGANISM: Synthetic nucleotide
     310 <400> SEQUENCE: 12
     311 gtactctgca gactttctgg aagactgatc actgctcctt                      40
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VERIFICATION SUMMARY   DATE: 08/06/2001
PATENT APPLICATION: **US/09/850,982**   TIME: 15:40:08

Input Set : **A:\882565-4025.ST25.txt**
Output Set: **N:\CRF3\08062001\I850982.raw**

L:210 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:262 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8